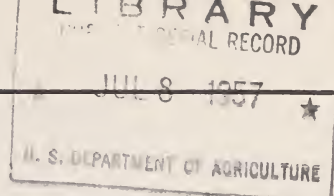


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THE PLANT DISEASE REPORTER

Issued By

PLANT DISEASE EPIDEMICS
and

IDENTIFICATION SECTION

AGRICULTURAL RESEARCH SERVICE

UNITED STATES DEPARTMENT OF AGRICULTURE

HOST INDEX OF VERTICILLIUM ALBO-ATRUM REINKE & BERTH.
(INCLUDING VERTICILLIUM DAHLIAE KLEB.)

Supplement 244

June 15, 1957



The Plant Disease Reporter is issued as a service to plant pathologists throughout the United States. It contains reports, summaries, observations, and comments submitted voluntarily by qualified observers. These reports often are in the form of suggestions, queries, and opinions, frequently purely tentative, offered for consideration or discussion rather than as matters of established fact. In accepting and publishing this material the Plant Disease Epidemics and Identification Section serves merely as an informational clearing house. It does not assume responsibility for the subject matter.

THE PLANT DISEASE REPORTER

PLANT DISEASE EPIDEMICS AND IDENTIFICATION SECTION

Crops Research Division

Plant Industry Station, Beltsville, Maryland

HOST INDEX OF VERTICILLIUM ALBO-ATRUM REINKE & BERTH. (INCLUDING VERTICILLIUM DAHLIAE KLEB.)

Arthur W. Engelhard¹

Plant Disease Reporter
Supplement 244

June 15, 1957

INTRODUCTION

This is an index of plants reported to be hosts of Verticillium albo-atrum Reinke & Berth. Plants reported as hosts of V. dahliae Kleb. are also included, as some mycologists and pathologists consider this pathogen identical with V. albo-atrum. The Index was prepared as a convenience and guide for persons wanting a quick and handy reference to reported hosts of V. albo-atrum. It should not be considered as a final reference or source when determining if a plant in question is a recorded host of V. albo-atrum. The final source of information should be the original publication in which the plant was cited.

An attempt was made to include: 1) all plants reported as hosts in the United States, and 2) all plants reported in some other country but not for the United States. Reports of plants susceptible to Verticillium sp. or spp., Verticillium disease, Verticillium hadromycosis, etc., are not included. It should also be borne in mind that, owing to the nature of this pathogen, plants are reported as being hosts after successful isolation of V. albo-atrum from them. Many of the citations listed herein are of this type.

This Host Index is divided into four parts as follows:

Section A -- Woody Plants

- | | |
|--------|--------------------------------------|
| Part 1 | Trees |
| Part 2 | Shrubs, bushes, small fruits, lianas |

Section B -- Herbaceous Plants

- | | |
|--------|---------------------------------------|
| Part 3 | Field crops, vegetables, small fruits |
| Part 4 | Ornamentals, "flowers", weeds |

As some plants may be listed in more than one part, it is suggested that all possible places where a plant in question may be listed be checked. This is true where certain shrubs may also be small trees. The genus Aralia, for example, includes species that are trees, shrubs, and herbaceous plants.

The scientific names of the hosts are usually listed as presented by the original author. When no scientific name was given by the author, and one was needed for alphabetizing purposes, the generic name is usually added in parentheses, for example (Ribes ____). Where several scientific names are extant in the literature, the preferred names given in the eighth edition of "Gray's Manual of Botany" by Fernald and/or "Manual of Cultivated Plants" by Bailey are used.

Common names are usually listed only when the author of the original citation gave one.

Literature citations listed under the "Reference" column were abbreviated so they would fit the page more easily. Below are examples of abbreviations used followed by the full name of the publication.

B. A.	Biological Abstracts
P. D. R.	Plant Disease Reporter
P. D. R. Suppl.	Plant Disease Reporter Supplement
R. A. M.	Review of Applied Mycology
Rud.	Rudolph, B. A. (See page 24 for complete citation and comment)

- Weiss Refers to the five volumes of the "Index of Plant Diseases in the United States" by Freeman Weiss and Associates (see page 24 for complete citation)
- Weiss P. D. R. Index. See Weiss above.

The "Remarks" columns in the tables were used to include extra items of information that were considered important enough to mention. Some of the items listed in the "Remarks" column are explained below.

- V. dah. All plants in this Index are hosts of V. albo-atrum unless otherwise indicated. V. dah. indicates that the plant was reported as a host of V. dahliae. V. a-a or V. dah. indicates that no distinction was made between the two fungi by the author and the original publication should be consulted for more definite information.
- 1st report etc. When the original author indicated that a particular plant was not previously reported to be a host in a certain State, the United States, or the world, such a statement was included under the "Remarks" column. First report, as stated by an author, apparently indicates the first world report.

The literature surveyed in the preparation of this Host Index is listed below:

1. Biological Abstracts: Vol. 1, 1927 through Vol. 27, 1953.
2. Illinois State Academy of Science Proceedings: Vol. 1, 1908 through Vol. 47, 1955.
3. Phytopathology: Only a few issues.
4. Plant Disease Reporter: Vol. 1(1), 1917 through Vol. 39(12), 1955.
5. Plant Disease Reporter Supplements: No. 1, 1918 through No. 235, 1955.
6. Review of Applied Mycology: Vol. 1, 1922 through Vol. 32, 1953.
7. Rudolph, B. A.: 1931. *Verticillium hadromycosis*. *Hilgardia* 5(9): 197-353.
(This is an excellent review of *Verticillium hadromycosis* and should be consulted for comments on older contributions in the field).
8. Weiss, Freeman: 1940-1942. Revised Checklist of Diseases of Economic Plants of the United States. *Plant Disease Reporter* 24(7), 1940 through Vol. 26(23), 1942. (This checklist includes only woody plants and was issued in sections in the above indicated volumes. All of the information in this checklist was apparently included in the 1950-1953 checklist by Weiss and Associates -- see No. 9)
9. Weiss, Freeman: 1950-1953. Index of Plant Diseases in the United States. U. S. Dept. Agr. Plant Disease Survey Special Publication 1 (Muriel J. O'Brien is co-author of Parts IV & V).

1950:	Part I. Acanthaceae - Compositae
	Part II Convolvulaceae - Gnetaceae
	Part III Gramineae
1952:	Part IV Guttiferae - Phytolaccaceae
1953:	Part V Pinaceae - Zygophyllaceae
10. United States Department of Agriculture. 1953. *Plant Diseases. Yearbook of Agriculture* 1953.

HOSTS OF VERTICILLIUM ALBO-ATRUM REINKE & BERTH. (INCLUDING V. DAHLIAE KLEB.)

A — WOODY PLANTS — Part I. TREES

Scientific Name	Common Name	Location	Reference	Remarks
<u>Acer macrophyllum</u> Pursh.	bigleaf maple	Cal., Oregon, Wash.	Weiss I: 19. 1950	
<u>Acer mono</u>	painted maple	Tenn.	P. D. R. 39(11): 882. 1955	
<u>Acer negundo</u> L.	boxelder	N. E. and north-central states to Va., Tenn., and Ill.	Weiss I: 12. 1950	
<u>Acer negundo</u> var. <u>californicum</u> (Torr. & Gray) Sarg.	California boxelder		Weiss I: 20. 1950	
<u>Acer nigrum</u> Michx. f.	black maple	Ill.	P. D. R. 22(12): 253-4. 1938	
<u>Acer palmatum</u> Thunb.	Japanese maple		Weiss I: 20. 1950	V. a-a or <u>dah.</u>
<u>Acer palmatum</u> Thunb. var. <u>rubrum</u> Schweren	Japanese red maple	See ref.	Rud. 308. 1931	
<u>Acer platanoides</u> L.	Norway maple	Ill.	P. D. R. 22(12): 253-4. 1938	
<u>Acer platanoides</u> L.	Norway maple	General - U. S.	Weiss I: 21. 1950	
<u>Acer platanoides</u> <u>schwedleri</u> Koch	Schwedler's maple	Ill.	P. D. R. 22(12): 253-4. 1938	
<u>Acer pseudoplatanus</u> L.	sycamore maple	Conn., Mo., Va.	P. D. R. 24(10): 198. 1940	
<u>Acer pseudoplatanus</u> L.	sycamore maple		Weiss I: 20. 1950	V. a-a or <u>dah.</u>
<u>Acer rubrum</u> L.	red maple	Ill.	P. D. R. 22(12): 253-4. 1938	

A -- WOODY PLANTS - Part I. (Continued)

Scientific Name	Common Name	Location	Reference	Remarks
<u>Acer rubrum</u> L. incl. <u>A. r. drummondii</u> (Hook. & Arn.) Sarg.	red maple		Weiss I: 12. 1950	See ref.
<u>A. r. trilobum</u> (K. Koch)	Drummond maple			
	trident maple			
<u>Acer saccharinum</u> L.	silver maple		Weiss I: 12. 1950	
<u>Acer saccharum</u> Marsh.	hard maple	Ill.	P. D.R. 22(12):253-4. t38	1st Ill. case 1926.
<u>Acer saccharum</u> Marsh.	sugar maple		Weiss I: 12. 1950	
<u>Aesculus hippocastanum</u>	horse chestnut	Germany	R. A. M. 9t6. 1930	Apparently 1st report
	horse chestnut	Germany	R. A. M. 12: 117. 1933	
<u>Ailanthus altissima</u> (Mill.) Swingle	ailanthus, Tree-of-heaven	N. Y., Pa., Va.	Weiss 5: 1092. 1953	
<u>Ailanthus glandulosa</u>		France	Biol. Abst. 7:20513. 1933	V. dah.
<u>Ailanthus glandulosa</u>		Italy	Biol. Abst. 11(3): 5478. 1937	
<u>Catalpa bignonioides</u> Walt.	southern catalpa	Ill., N. J., N. Y.	Weiss I: 91. 1950	
<u>Catalpa speciosa</u> Warder	western catalpa	Ill.	P. D.R. 22(12): 253-4 1938	Carter 1st report
<u>Catalpa speciosa</u> Warder	northern catalpa	Ill., N. J., N. Y.	Weiss I: 91. 1950	
<u>Ceratonia siliqua</u> L.	carob, St. John's bread	Cal.	Weiss IV. 594. 1952	

A -- WOODY PLANTS - Part I. (Continued)

Scientific Name	Common Name	Location	Reference	Remarks
<u>Cercis canadensis</u> L.	redbud	Ill.	P. D. R. 29(3):95-96. 1945	Carter
<u>Cercis siliquastrum</u>		Italy	Biol. Abst. 11(3): 5478. 1937	Isolates considered identical with <u>V. a-a.</u>
<u>Cinnamomum camphora</u> Nees & Eberm.	camphor tree	Calif.	P. D. R. 39:693. 1955	1st report
<u>Cladrastis lutea</u> Koch	yellow wood	Ill.	P. D. R. 24(6):133-4. 1940	1st report in Ill.
(<u>Cydonia</u>)	Quince	France	B. A. 15:1278. 1941	<u>V. dahliae</u>
	Quince	England	Ann. Rpt. E. Malling Res. Sta. 1936: 189. 1936	
	Quince seedlings	Belgium	R. A. M. 19:157. 1940	<u>V. dahliae</u> (on seedlings imported from Holland and France)
<u>Diospyros kaki</u> L. f.	Japanese persimmon	Texas	P. D. R. Sup. 135:41 1942	
<u>Diospyros texana</u> Scheele	Texas persimmon	Texas	Weiss II. 301. 1950	
(<u>Fagus</u>)	beech	Germany	R. A. M. 9: 6. 1930	
<u>Fraxinus pennsylvanica</u> <u>lanceolata</u>	green ash	Colorado	P. D. R. 34:83. 1950	1st report
	ash	Baarn, Holland	R. A. M. 12:665. 1933	
	ash	Holland	R. A. M. 31:478. 1952	<u>V. dahliae</u>

A -- WOODY PLANTS - Part 1. (Continued)

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Scientific Name	Common Name	Location	Reference	Remarks
<u>(Juglans regia L.)</u>	English walnut	France	B. A. 4:327. 1930	<u>V. dahliae</u>
<u>Koeleruteria paniculata</u>	goldenrain-tree	Italy	B. A. 11(3):5478. 1937	Isolates considered identical with <u>V. a-a.</u>
<u>Liriodendron tulipifera</u>	tulip tree	France	B. A. 5:22793. 1931	<u>V. dahliae</u>
<u>MacLura aurantiaca L.</u>		Italy	B. A. 11(1):258. 1937	Apparently 1st report
<u>Musa sapientum L.</u>	banana	Brazil	Rud. 304. 1931	Vert (?) see ref.
<u>Musa</u>	banana		R. A. M. 12:39. 1933	
	banana	West Indies	R. A. M. 9:6. 1930	
<u>Olea europea L.</u>	olive	Cal.	P. D. R. 34:26-7. 1950	1st U. S. Report
	olive	Italy	R. A. M. 27:317. 1948	
<u>Persea americana Mill.</u>	avocado	Cal.	Weiss IV: 576. 1952	
<u>Pistacia vera L.</u>	pistachio	Cal.	P. D. R. 34(1):26-7. 1950	1st world report
<u>Populus tremula</u>	aspen	Germany (East Prussia)	R. A. M. 13:338. 1934	
<u>Prunus amygdalus Batsch</u>	almond	Cal., Ill.	Weiss V: 964. 1953	
<u>Prunus communis Fritsch</u>	almond	Ill.	P. D. R. 22(12):253-4 1938	
	almond	Rhone Valley (Germany)	R. A. M. 12:76. 1933	<u>V. dahliae</u>

A -- WOODY PLANTS - Part I. (Continued)

Scientific Name	Common Name	Location	Reference	Remarks
<u>Prunus armeniaca</u> L.	apricot	Wash.	P. D. R. 33:99. 1939	1st Wash. report
<u>Prunus armeniaca</u> L.	apricot	Hungary	R. A. M. 27:139. 1946	
<u>Prunus avium</u> L.	apricot	Cal., Utah, Wash.	Weiss V: 957. 1953	
	sweet cherry	Cal.	P. D. R. 38(7):438. 1954	
	sweet cherry	British Columbia	P. D. R. 38(2): 74. 1954	<u>V. dah.</u>
	Cultivated cherry 5 varieties	Holland	R. A. M. 4:495. 1925	<u>V. a-a.</u> or <u>V. dah.</u>
<u>Prunus cerasifera</u>	Myrobalan, cherry-plum	Hungary	R. A. M. 27:139. 1948	
<u>Prunus cerasus</u> <u>acida</u> <u>Ehrh.</u>	sour cherries		Rud. 302. 1931	
<u>Prunus cerasus</u> <u>austera</u>		Holland	R. A. M. 4:495. 1925	<u>V. a-a.</u> or <u>V. dah.</u>
<u>Prunus domestica</u> L.	garden plum, -prune	Cal.	Weiss V: 960. 1953	
	Burbank plum	Italy	B. A. 11(5):4478. 1937	
	Victoria plum	England	R. A. M. 24: 153. 1945	
<u>Prunus mahaleb</u>		Holland	R. A. M. 4:495. 1925	<u>V. dah.</u> or <u>V. a-a</u>
<u>Prunus mahaleb</u> L.	Mahaleb cherry	Cal.	P. D. R. 38(7):438. 1954	
<u>Prunus mume</u> Sieb & Zucc.	Ja, anese apricot	Cal., Utah, Wash.	Weiss V: 957. 1953	
<u>Prunus persica</u> (L.) Batsch	peach	N. East States, Cal., Ore.	Weiss V: 967. 1953	
	peach	N. J.	P. D. R. Sup. 28:344. 1923	

A -- WOODY PLANTS - Part 1. (Continued)

Scientific Name	Common Name	Location	Reference	Remarks
<u>Prunus</u> spp.	peach, South Haven variety	New York	P. D. R. 16(12): 132-133, 1932	
(<u>Pyrus</u> _____)	plum, prune	See ref.	Rud. 303, 1931	
(<u>Pyrus</u> _____)	pear	Holland	R. A. M. 31:477, 1952	<u>V. dahliae</u>
<u>Quercus</u> sp.	apple	Bulgaria	R. A. M. 11:7456, 1932	
		France	Biol. Abst. 5:22793, 1931	<u>V. dahliae</u>
<u>Robinia pseudo-acacia</u> L.	black locust	Ill.	P. D. R. 22(12):253-4 1938	1st U. S. Rpt.
<u>Robinia pseudo-acacia</u>		Baarn, Holland	R. A. M. 12:665, 1933	
<u>Robinia pseudo-acacia</u>		Italy	B. A. 11(3):5478, 1937	
<u>Schinus terebinthifolia</u> Raddi	Brazil pepper-tree	Cal.	Weiss 1:42, 1950	
<u>Sophora japonica</u>	Japanese pagoda tree	Italy	R. A. M. 15:474, 1936	<u>V. a-a</u> = <u>V. dah.</u> , = all other spp.
<u>Sophora japonica</u>		Italy	B. A. 11(3):5478, 1937	Isolates considered identical with <u>V. a-a</u>
<u>Theobroma cacao</u> L.	cacao		Rud. 304:1931	See ref.
<u>Tilia americana</u> L.	American linden	Ill.	Weiss V:1141, 1953	
<u>Tilia glabra</u> Vent.	American linden	Ill.	P. D. R. 24(6):133-4, 1940	1st report in Ill.
<u>Tilia cordata</u>	lime	Germany	R. A. M. 9:6, 1930	1st report
<u>Tilia euchlora</u>	lime	Germany	R. A. M. 9:6, 1930	1st report

A -- WOODY PLANTS - Part I. (Concluded)

Scientific Name	Common Name	Location	Reference	Remarks
<u>Tilia parvifolia</u>	lime	Germany	R. A. M. 12:117. 1933	
<u>Ulmus americana</u> L.	American elm	Ill.	P. D. R. 22:253-4. 1938	
<u>Ulmus americana</u> L.	Littleford elm	Ill.	P. D. R. 24:133-4. 1940	
<u>Ulmus americana</u> L.	Moline elm	Ill.	P. D. R. 24:133-4. 1940	
<u>Ulmus montana</u>	elm	Germany	R. A. M. 12:117. 1923	
<u>Ulmus procera</u> Salisb.	English elm	Conn., Mass., N. J., N. Y.	Weiss V: 1154. 1953	Several other European elms incl. -see ref.
<u>Ulmus campestris</u>		Italy	B. A. 11(3):5478. 1937	Isolates con- sidered identical with <u>V. a-a.</u>
<u>Ulmus rubra</u> Muhl.	slippery elm	Pa., Wis.	Weiss V: 1153. 1953	
<u>Ulmus</u> spp.	elm		Rud. 306. 1931.	See ref.

A -- WOODY PLANTS -- Part 2. SHRUBS, BUSHES, SMALL FRUITS, LIANAS

Scientific Name	Common Name	Location	Reference	Remarks
<u>Abroma</u>		Uganda	R. A. M. 18: 575. 1939	<u>V. dahliae</u>
<u>Ampelopsis</u>		Holland	R. A. M. 31: 478. 1952	<u>V. dahliae</u>
<u>Aucuba japonica</u> Thunb.	Aucuba	N. J.	Weiss II: 226. 1950	
<u>Berberis thunbergii</u>	Japanese barberry	Mass.	P. D. R. 14(19): 201. 1930	
<u>Berberis thunbergii</u> DC.	Japanese barberry	Ill., Mich. Conn. to Va.	Weiss I: 70. 1950	
<u>Berberis thunbergii</u>	Japanese barberry	N. J.	P. D. R. 20(4): 80 1936.	<u>V. dahliae</u>
<u>Berberis vulgaris</u> L.	European barberry	Conn.	Weiss I: 70. 1950	
<u>Campsis radicans</u> (L.) Seem.	trumpet vine	Ill.	P. D. R. 29(3): 95-6. 1945	
<u>Capsicum frutescens</u> L.	red pepper, sweet pepper	Cal., Colo., Conn., N. Y., Tex.	Weiss V: 1096. 1953	
<u>Capsicum annum</u> var. <u>Anaheim Chili</u>	pepper	Cal.	P. D. R. 21(22): 404. 1937	
<u>Capsicum annum</u> var. <u>Mexican Chili</u>	pepper	Cal.	P. D. R. 21(27): 404. 1937	
<u>Cistus purpureus</u> Lam.	rock-rose	Cal.	P. D. R. 39: 693 1955	1st world report
<u>Clematis</u> sp.		Belgium	R. A. M. 19: 134 1946	

A -- WOODY PLANTS - Part 2. (Continued)

Scientific Name	Common Name	Location	Reference	Remarks
<u>Coffea arabica</u> L.	Coffee		Rud. 305. 1931	See ref.
(<u>Coffea</u> _____)	Coffee	Brazil	R. A. M. 5:422. 1926	
<u>Erica australis</u> Hort.	Heather	Cal.	P. D. R. 34(1):26-7. 1950	1st world report
<u>Erica persoluta</u> L.	Heather	Cal.	P. D. R. 34(1):26-7. 1950	1st world report
<u>Fremontia californica</u> Torr.		Cal.	P. D. R. 24(20):424-5. 1940	1st lit. report
<u>Fremontia</u> spp.		Cal.	P. D. R. 24(20):424-5. 1940	
<u>Fuchsia hybrida</u> Voss		Cal.	P. D. R. 24(20):424-5. 1940	1st lit. report
<u>Fuchsia</u> spp.	Fuchsia	Cal.	Weiss IV: 783. 1952	
<u>Ligustrum amurense</u> Carr.	Amur privet	Ill.	P. D. R. 29(3):95-6. 1945	
<u>Parthenium argentatum</u> A. Gray	Guayule	Cal.	P. D. R. 29(6):180. 1945 P. D. R. 27(2):63-66. 1943	
<u>Parthenium argentatum</u> A. Gray	Guayule	Ariz., Cal. N. Mex., Tex.	Weiss I:200. 1950	
(<u>Photinia</u> _____)	Photinia	Holland	R. A. M. 31:478. 1952	<u>V. dahliae</u>
<u>Pittosporum tobira</u> Ait.	Japanese pittosporum	Cal.	Rud. 327. 1931	
<u>Pittosporum</u> spp.	Pittosporum	Cal.	Weiss V:861. 1953	
<u>Prunus laurocerasus</u> L.	English cherry-laurel	Cal.	Weiss V:976. 1953	
<u>Prunus lusitanica</u> L.	Portugal-laurel	Cal.	Weiss V:976. 1953	
<u>Raphiolepis indica</u> Lindl.	India hawthorn	Cal.	P. D. R. 39:693. 1955	1st report
<u>Raphiolepis umbellata</u> var. <u>integerrima</u> Rehd.	Yeddo hawthorn	Cal.	P. D. R. 39:693. 1955	1st report

A -- WOODY PLANTS - Part 2. (Continued)

Scientific Name	Common Name	Location	Reference	Remarks
(<u>Rhododendron</u>)	azalea	Mass.	P. D. R. Suppl. 9:263, 1936	
<u>Rhus aromatica</u> Ait.	fragrant sumac	Mass.	Weiss I: 39, 1950	
<u>Rhus canadensis</u> Marsh	fragrant sumac	? Europe see ref.	Rud. 310, 1931	
<u>Rhus canadensis</u> Marsh, var. <u>trilobata</u> (Nutt.) Gray	ill-scented sumac	Iowa	Rud. 310, 1931	
<u>Rhus cotinus</u>		Holland	R. A. M. 4:288, 1925	
<u>Rhus cotinus</u> L.	smoke tree	Europe see ref.	Rud. 310, 1931	
<u>Cotinus coggia</u> Scop	smoke tree	Va.	P. D. R. 21(1):10, 1937	1st U. S. report; present in Europe
<u>Cotinus coggia</u> Scop.	common smoke-tree	Conn., Ill., Nebr., N. J., N. Y.	Weiss I: 35, 1950	
<u>Rhus glabra</u>		Holland	R. A. M. 4:288, 1925	
<u>Rhus glabra</u> L.	smooth sumac	Europe-- see ref.	Rud. 310, 1931	
<u>Rhus glabra</u> L.	smooth sumac	Ill.	P. D. R. 22(12):253-4, 1938	
<u>Rhus trilobata</u> Nutt	skunkbush sumac	Iowa	Weiss I: 39, 1950	
<u>Rhus typhina</u>	staghorn sumac	Holland	R. A. M. 4:288, 1925	
<u>Rhus typhina</u>	staghorn sumac	Iowa	Weiss I: 39, 1950	
<u>Rhus typhina</u>		Wis.	R. A. M. 12:470, 1933	<u>V. dahliae</u>
<u>Ribes sanguineum</u> var. <u>lombartii</u>		Holland	R. A. M. 4:495, 1925	<u>V. a-a</u> or <u>V. dah.</u>

Scientific Name	Common Name	Location	Reference	Remarks
<u>Ribes sanguineum</u> Pursh. var. <u>lombartii</u>	Lombart's flowering currant	Probably Holland see ref.	Rud. 330. 1931	<u>V. dah.</u>
<u>Ribes</u> _____		Holland	R. A. M. 9:546. 1930	
(<u>Ribes</u> _____)	currants	New South Wales	R. A. M. 29:497. 1950	
	black currants	Holland	R. A. M. 4:495. 1925	<u>V. a-a</u> , or <u>V. dah.</u>
(<u>Ribes</u> _____)	gooseberry	New Zealand	R. A. M. 30:362. 1951	
	gooseberries	Holland	R. A. M. 4:495. 1925	
	cultivated rose	Cal., Ill., N. J.	Weiss V: 992. 1953	<u>V. a-a</u> or <u>V. dah.</u>
<u>Rosa</u> spp.	rose	N. Y.	R. A. M. 31:65. 1952	
<u>Rubus allegheniensis</u> Porter	Crandall blackberry	Cal.	P. D. R. 34(1):26. 7. 1950	1st Cal. report
<u>Rubus</u> spp.	blackberries	Cal., Minn. N. Y., Wash. N. Y.	Weiss V: 997. 1953	
<u>Rubus idaeus</u>	red raspberry		P. D. R. Suppl. 147. 150-151. 1944	
	red raspberry		P. D. R. 37(2): 117. 1953	
<u>Rubus occidentalis</u>	black raspberry	N. Y.	P. D. R. Suppl. 147: 150-151. 1944	
<u>Rubus</u> spp.	black raspberry	Mass. to N. Y. and Ohio; Ore., Wash.	Weiss V: 1006. 1953	
	purple raspberry	N. Y.		
	Boysenberry	Wash.	P. D. R. Suppl. 128: 321-322. 1940	
<u>Rubus rosaefolius</u> var. <u>loganobaccus</u> Bailey			P. D. R. Suppl. 119. 191 1939	
<u>Rubus</u> spp.	dewberries, eastern type	Cal.	Weiss V: 1001. 1953	

A -- WOODY PLANTS - Part 2. (Concluded)

Scientific Name	Common Name	Location	Reference	Remarks
<u>Rubus</u> spp.	dewberries -western type	Cal., N. Y., Ore.	Weiss V: 1002, 1953	
	Youngberry (hybrid dewberry)	Cal.	P. D. R. Suppl. 128, 322, 1940	
<u>Rubus ursinus</u>	Pacific coast trailing blackberry	Cal.	R. A. M. 30:332, 1951	
<u>Rubus</u> spp.	dewberries, black-berries, youngberries		Rud. 313-4, 1931	See ref.
<u>Sambucus racemosa</u>		Holland	R. A. M. 4:495, 1925	<u>V. a-a</u> or <u>V. dah.</u>
<u>Sambucus</u> spp.	elder	Md.	Weiss I: 117, 1950	See ref.
<u>Sechium edule</u> Schwartz	chayote	Brazil	Rud. 289, 1931	<u>V. a-a</u> ? see ref.
(<u>Spiraea</u>)	Spiraea	Germany	R. A. M. 16:286, 1937	<u>V. a-a</u>
<u>Syringa vulgaris</u>	lilac	Holland	R. A. M. 4:495, 1925	<u>V. a-a</u> , <u>V. dah.</u>
<u>Viburnum lantana</u> L.	wayfaring-tree	Ill.	P. D. R. 1938, 22(12): 253-4	1st report
<u>Viburnum lantana</u> L.		Ind.	P. D. R. 25(9):274, 1941	
<u>Viburnum lentago</u> L.	nannyberry	Ore., Wash.	Weiss I: 121, 1950	
<u>Viburnum tinus</u> L.	laurestinus	Ore.	Weiss I: 122, 1950	
<u>Viburnum tomentosum</u> Thunb.	Japanese snowball	Ind.	Weiss I: 122, 1950	
<u>Vitis</u> spp.	American bunch grapes		U. S. D. A. Yearbook 1953: 760.	

B -- HERBACEOUS PLANTS -- Part 3. FIELD CROPS, VEGETABLES, SMALL FRUITS

Scientific Name	Common Name	Location	Reference	Remarks
<u>Abutilon avicennae</u>	American jute	Namangan (Turkestan) Russian Central Asia	R. A. M. 13:369. 1934.	<u>V. dahliae</u>
<u>Apium graveolens</u> L.	celery	Cal.	P. D. R. 20(7):125-6. 1936.	
<u>Apium graveolens</u> L. var. <u>dulce</u> DC.	celery	Cal.	Weiss V: 1158. 1953	
<u>Archis hypogaea</u>	peanuts	Europe or Asia?	B. A. 14:5663. 1940	<u>V. dahliae</u>
<u>Armoracia rusticana</u> <u>Gaertn. Mey & Scherb.</u>	horse-radish	Mich., Wash.	Weiss II: 237. 1950	
	horse-radish	Bavaria	R. A. M. 16:361. 1937	<u>V. dahliae</u>
<u>Beta vulgaris</u>	sugar beet	Col.	P. D. R. Suppl. 149:350. 1944	root rot
	sugar beet	Col.	P. D. R. 27(23):645. 1943	
	beet	Holland (see ref.)	Rud. 289. 1931.	
<u>Beta vulgaris</u> L.	rutabaga	Cal.	Weiss II: 242. 1950	
<u>Brassica napobrassica</u> Mill.	rutabaga	Cal.	P. D. R. Suppl. 128:254. 1940	
<u>Brassica oleracea</u> var. <u>napo-brassica</u>	cabbage	Cal.	P. D. R. 34(1):26-7. 1950	1st world report
<u>Brassica oleracea</u> var. <u>capitata</u> L.	brussels sprouts	Cal.	P. D. R. 34(1):26-7. 1950	1st world report
<u>Brassica oleracea</u> var. <u>gemmifera</u> Zenk.	hemp	Namangan (Turkestan) Russian Central Asia	R. A. M. 13:369. 1934	<u>V. dahliae</u>
<u>Cannabis sativa</u>	watermelon	Cal.	P. D. R. 20(7):125-6. 1936.	1st lit. report.

B -- HERBACEOUS PLANTS - Part 3. (Continued)

Scientific Name	Common Name	Location	Reference	Remarks
<u>(Citrullus vulgaris</u> <u>Schrad. var. citroides)</u>	citron, preserving melon		U. S. D. A. Yearbook 1953: 485	
<u>Corchorus capsularis</u>	jute	Namangan (Turkestan) Russian Central Asia	R. A. M. 13: 369. 1934	<u>V. dahliae</u>
<u>Cucumis melo L.</u>	muskmelon, Persian melon	Cal.	P. D. R. 20(7):125-6. 1936	
<u>Cucumis melo</u>	cantaloupe		P. D. R. Suppl. 103:187. 1937	
<u>Cucumis melo L.</u>	muskmelon	Probably Holland See ref.	Rud. 293. 1931	
<u>Cucumis melo L. var.</u> <u>inodorus Naud.</u>	honeydew melon	Cal.	P. D. R. 22(22):447. 1938	
<u>Cucumis melo L. var.</u> <u>reticulatus Naud.</u>	cantaloupe of trade	Cal., Ore.	Weiss II: 263. 1950	
<u>Cucumis sativus L.</u>	cucumber	Me., Ohio, Ore., Wash., Wis.	Weiss II: 265. 1950	
<u>Cucumis sativus L.</u>	cucumber	Probably Holland see ref.	Rud. 289. 1931	
<u>Cucurbita maxima Dcne.</u>	winter squash	Ore.	Weiss II: 267. 1950	
<u>Cucurbita pepo L.</u>	pumpkin		U. S. D. A. Yearbook 1953: 485.	
<u>Cynara scolymus L.</u>	artichoke	France ? see ref.	Rud. 289. 1931	<u>V. dah.</u>
<u>Fragaria chiloensis Duchesne</u> <u>var. ananassa Bailey</u>	strawberry	Cal., N. Y., Ore.	Weiss V: 936. 1953	

B -- HERBACEOUS PLANTS - Part 3. (Continued)

Scientific Name	Common Name	Location	Reference	Remarks
(<u>Fragaria</u>)	strawberry	Ore.	P. D. R. 20(16):261. 1936	1st Ore. report
(<u>Glycine</u>)	soy beans	Namangan (Turkestan) Russian Central Asia	R. A. M. 13:369. 1934	<u>V. dahliae</u>
<u>Gossypium barbadense</u> L.	Sea-Island cotton (cultivated cotton)	widespread	Weiss: IV: 7280. 1952	
<u>Gossypium herbaceum</u>	cotton	Germany	R. A. M. 12: 117. 1933	
<u>Gossypium herbaceum</u> L.	Levant cotton (cultivated cotton)	widespread	Weiss IV: 728. 1952	
<u>Gossypium hirsutum</u> L.	upland cotton (cultivated cotton)	widespread	Weiss IV: 728. 1952	
<u>Hibiscus esculentus</u>	cotton	Uganda	R. A. M. 18:575. 1939	<u>V. dah.</u>
	okra	Namangan (Turkestan) Russian Central Asia	R. A. M. 13:369. 1934	<u>V. dah.</u>
<u>Hibiscus esculentus</u> L.	okra	N. Mex.	P. D. R. 35(3): 169. 1951	
<u>Humulus lupulus</u> L.	common hop	Me., Ore., Ohio, Wis.	Weiss IV: 750. 1952	
<u>Ipomoea batatas</u> (L.) Lam.	sweet potato	Cal.	Weiss II: 223. 1950	
(<u>Linum</u>)	flax	Belgium	R. A. M. 24:491. 1945	<u>V. dahliae</u>
<u>Lycopersicon esculentum</u> Mill.	tomato	Cal.	P. D. R. 34(1):26. 1950	
	tomato	Utah	P. D. R. 15(7):65. 1931	
<u>Lycopersicon esculentum</u> var. <u>cerasiforme</u> (Dun.) A. Gray	cherry tomato	Throughout U. S.	Weiss V: 1104. 1953	

B -- HERBACEOUS PLANTS - Part 3. (Continued)

Scientific Name	Common Name	Location	Reference	Remarks
<u>Lycopersicon esculentum</u> f. <u>pyriforme</u> (Dun.) C. H. Mull.	pear tomato	Throughout U.S.	Weiss V:1104. 1953	
<u>Manihot utilisima</u> Pohl	tapioca plant	Brazil	Rud. 310. 1931	<u>V. a-a</u> ? see ref.
(<u>Manihot</u> _____)	cassava	Uganda	R. A. M. 18:575. 1939	<u>V. dah.</u>
<u>Medicago hispida</u>	bur clover	Cal.	R. A. M. 10:757. 1931	
(<u>Medicago sativa</u> L.)	lucerne (alfalfa)	Denmark, Islands of Fünen, Møen	R. A. M. 24:451-452. 1945	
	alfalfa	Germany	B. A. 24:25186. 1950	
<u>Mentha piperita</u>	peppermint	Mich.	P. D. R. 19(20):313-314. 1935	<u>V. dahliae</u>
	peppermint	Ind., Mich.	P. D. R. 34(12):392. 1950	<u>V. a-a</u> var. <u>menthae</u> Nelson
<u>Mentha piperita</u> L.	peppermint	Ind., Mich., Ore.	Weiss P. D. R. Index IV: 565. 1952	
<u>Mentha spicata</u> L.	spearment	Ind., Mich.	Weiss P. D. R. Index IV: 565. 1952	
<u>Nicotiana tabacum</u> L.	tobacco	Tenn.	Weiss V: 1112. 1953	
	tobacco	Ky.	P. D. R. 18(12):153. 1934	
<u>Onobrychis sativa</u>	sainfoin	Germany	R. A. M. 17:754. 1938	<u>V. a-a</u>
(<u>Onobrychis</u> _____)	sainfoin	England	B. A. 20:18615. 1946	<u>V. dahliae</u>
<u>Phaseolus vulgaris</u> L.	kidney bean	Brazil, see ref.	Rud. 293. 1931	
<u>Raphanus sativus</u> L.	icicle radish	Cal.	P. D. R. 34(1):26-7. 1950	1st world report
<u>Rheum rhaponticum</u> Linn	rhubarb	Cal., Ireland	P. D. R. 39:693. 1955	

Scientific Name	Common Name	Location	Reference	Remarks
<u>Ricinus communis</u>	castor bean	Europe or Asia?	B. A. 14:5663. 1940	<u>V. dahliae</u>
<u>Sesamum indicum</u>	sesame	Namangan (Turkestan) Russian Central Asia	R. A. M. 13:369. 1934	<u>V. dahliae</u>
<u>Sesamum indicum</u>	sesamum	Europe or Asia?	B. A. 14:5663. 1940	<u>V. dahliae</u>
<u>Sesamum orientale</u>	simsim	Uganda	R. A. M. 18:575. 1939	<u>V. dahliae</u>
<u>Solanum integrifolium</u> Poir	scarlet or tomato egg plant	N. Y.	Weiss V: 1118. 1953	
<u>Solanum melongena</u>		N. Y.	B. A. 5:16542. 1931	<u>V. dahliae</u>
<u>Solanum tuberosum</u>	egg plant	Mass	P. D. R. 12(10): 119. 1928	
<u>Solanum tuberosum</u> L.	potato	Maine	P. D. R. 37(9):456. 1953	
(<u>Spinacia</u> _____)	potato	General in U. S.	Weiss V: 1127. 1953	
<u>Tetragonia expansa</u> Thunb.	spinach	Cal.	R. A. M. 31:224. 1952	<u>V. dahliae</u> (on seeds) 1st report
<u>Tephrosia</u>	New Zealand spinach	Cal.	P. D. R. 39:693. 1955	
(<u>Trifolium</u> _____)	clover	Uganda	R. A. M. 18:575. 1939	<u>V. dah.</u>
<u>Vigna sesquipedalis</u> W. F. Wright	Chinese yard-long bean	Germany	R. A. M. 16:361. 1937	<u>V. dah.</u>
<u>Vigna sinensis</u> Endl.	cow pea	Cal.	P. D. R. 39:693. 1955	1st report
		Cal.	P. D. R. 20(7):125-6. 1936	

B - HERBACEOUS PLANTS -- Part 4. ORNAMENTALS, "FLOWERS", WEEDS

Scientific Name	Common Name	Location	Reference	Remarks
<u>Abutilon</u> sp.	flowering maple	New Jersey	P. D. R. 24(12):243. 1940	
<u>Abutilon</u>			Phytograph 6: 393. 1914	weed
<u>Aconitum napellus</u>		Holland	R. A. M. 4: 496. 1925	
<u>Amaranthus retroflexus</u>	rough pigweed	Cal.	R. A. M. 10: 757. 1931	
<u>Amaranthus</u> sp.	pigweed	Ore.	R. A. M. 16: 192. 1937	
<u>Antirrhinum majus</u>		Holland	R. A. M. 4: 495. 1925	<u>V. a-a</u> or <u>V. dah.</u>
<u>Antirrhinum majus</u> L.	snapdragon	Cal., Conn., Me., Mass., Minn., N. J., Pa., N. Y.	Weiss V: 1082. 1953	
<u>Aralia cordata</u> Thunb.	udo	Md.	Weiss I: 59. 1950	herb
<u>Aralia cordata</u> Thunb.	udo		P. D. R. Suppl. 34: 243. 1924	perennial not woody
<u>Aralia racemosa</u> L.	American spikenard	N. Y.	Weiss I: 59. 1950	per. herb
<u>Aralia racemosa</u> L.	American spikenard	N. Y.	Rud. 319. 1931	<u>V. dah.</u>
<u>Aster</u> sp.	aster	Other than U. S.	Rud. 319. 1931	See ref.
<u>Aster</u> spp. (See ref.)	aster	Conn.	Weiss I: 161. 1950	
<u>Atropa belladonna</u>	belladonna	Cal.	P. D. R. Suppl. 149:381. 1944	herb
<u>Begonia</u> spp.	begonia	Conn., N. Y.	Weiss I: 68. 1950	
<u>Calceolaria</u> spp.	slipperwort	N. Y., Wash.	Weiss V: 1084. 1953	
<u>Callirhoe papaver</u> (Cav.) <u>A. Gray</u>	poppy-mallow	N. Y.	Weiss IV: 724. 1952	herb
<u>Callistephus chinensis</u> <u>Nees.</u>	aster	Cal.	P. D. R. 24(20):424-5. 1940	1st U. S. report common in Europe

Scientific Name	Common Name	Location	Reference	Remarks
<u>Campanula isophylla</u>	bell flower	England	R. A. M. 30: 416. 1951	herb
<u>Capsicum</u>		Uganda	R. A. M. 18: 575. 1939	<u>V. dah.</u>
<u>Capsicum</u> sp.	pepper	Europe ? see ref.	Rud. 294. 1931	
<u>Carthamus tinctorius</u>	saffron (safflower)	Europe or Asia ?	B. A. 14:5663. 1940	<u>V. dahiae herb.</u>
<u>Celosia argentea</u> var. <u>cristata</u>		Cal.	P. D. R. 30(6):210. 1946	annual
<u>Centaurea cyanus</u> L.	cornflower, bachelors-button	N. Y.	Weiss 1: 168. 1950	herb
<u>Centaurea cyanus</u>				annual
<u>Centaurea imperialis</u>		Cal.	P. D. R. 30(6):210. 1946	'apparently new host'
<u>Chenopodium album</u>		Holland	R. A. M. 4: 495. 1925	<u>V. a-a</u> or <u>V. dah.</u>
<u>Chenopodium album</u>	fat hen	New Zealand	R. A. M. 30: 20. 1951	
<u>Chenopodium album</u> L.		Prob. Holland See ref.	Rud. 330. 1931	<u>V. dah.</u>
<u>Chenopodium</u>	goosefoot	Germany	R. A. M. 15:237. 1936	
<u>Chrysanthemum frutescens</u> L.	marguerite	N. J.	Weiss 1: 170. 1950	<u>V. dahiae</u>
<u>Chrysanthemum frutescens</u>		N. J.	P. D. R. Suppl. 96:266. 1936	<u>V. dahiae</u>
<u>Chrysanthemum hortorum</u>		N. J., Wash.	P. D. R. Suppl. 96:267. 1936	<u>V. dahiae</u>
<u>Chrysanthemum indicum</u> Cass	Italian chrysanthemum	N. J.	Rud. 322. 1931	
<u>Chrysanthemum indicum</u>		Holland	R. A. M. 4:495. 1925	<u>V. a-a</u> or <u>V. dah.</u>

B -- HERBACEOUS PLANTS - Part 4. (Continued)

Scientific Name	Common Name	Location	Reference	Remarks
<u>Chrysanthemum leucanthemum</u> L.	ox-eye daisy	N. J.	Rud. 322. 1931	<u>V. a-a</u> or <u>V. dah.</u>
<u>Chrysanthemum leucanthemum</u>		Holland	R. A. M. 4: 495. 1925	"apparently new host"
<u>Chrysanthemum maximum</u> var. <u>Shasta Daisy</u>		Cal.	P. D. R. 30(6):210. 1946	<u>V. a-a</u>
<u>Chrysanthemum morifolium</u>		Germany	R. A. M. 12:117. 1933	
<u>Chrysanthemum morifolium</u> (Ramat.) Hemsl. (see ref.)	chrysanthemum	Ill., Ind., Md., Mass., Mich., N. J., N. Y., Ohio, Pa., Wash.	Weiss I: 169. 1950	
<u>Cichorium intybus</u>	French endive	Europe-possibly Holland	B. A. 13: 4961. 1939	<u>V. dahliae</u>
(<u>Cichorium</u>)	chicory	Belgium	R. A. M. 31:101. 1952	<u>V. dahliae</u>
<u>Clarkia elegans</u> Dougl.	Clarkia	Cal.	Weiss IV: 781. 1952	
<u>Coreopsis lanceolata</u> L.	tickseed	N. Y.	Weiss I: 175. 1950	
<u>Crotalaria juncea</u>	sann hemp	Uganda	R. A. M. 18: 575. 1939	<u>V. dahliae</u>
<u>Crotalaria juncea</u>	sann hemp		R. A. M. 29:210. 1950	<u>V. dahliae</u>
<u>Crotalaria striata</u>		Uganda	R. A. M. 18: 575. 1939	<u>V. dahliae</u>
<u>Dahlia variabilis</u>		Holland	R. A. M. 4:495. 1925	<u>V. a-a</u> or <u>V. dah.</u>
<u>Dahlia variabilis</u> (Willd.) Desf. (see ref.)	dahlia	Ill., Mich., Mo., N. J., Ohio, Tex.	Weiss I: 178. 1950	
<u>Daphne mezereum</u>		Holland	R. A. M. 4: 495. 1925	<u>V. a-a</u> or <u>V. dah.</u>
<u>Daphne mezereum</u> L.	Daphne	Prob. Holland see ref.	Rud. 325. 1931	<u>V. dah.</u>

Scientific Name	Common Name	Location	Reference	Remarks
<u>Delphinium ajacis</u> L.	rocket larkspur	N. Y.	Weiss V: 908. 1953	
<u>Delphinium cultorum</u> Voss or <u>D. hybridum</u> Hort.	larkspur	Wash.	Weiss V: 908. 1953	
<u>Dianthus caryophyllus</u>	carnation		P. D. R. Suppl. 90:110. 1935	<u>V. dahliae</u>
<u>Dianthus caryophyllus</u> L.	carnation	N. J.	Weiss I: 128. 1950	<u>V. dahliae</u>
<u>Digitalis purpurea</u> L.	fox-glove	N. Y.	Weiss V: 1085. 53	
<u>Dimorphotheca aurantiaca</u> DC	Cape marigold	Iowa	Weiss I: 178. 1950	
<u>Erigeron canadensis</u>		Holland	R. A. M. 4: 496. 1925	<u>V. a-a</u> or <u>V. dah.</u>
<u>Erigeron canadensis</u> L.		Probably Holland see ref.	Rud. 330. 1931	<u>V. dah.</u>
<u>Erigeron</u> spp. (see ref.)	fleabane	Mass.	Weiss I: 182. 1950	
<u>Eschscholtzia californica</u>		Holland	R. A. M. 4: 495. 1925	<u>V. dah.</u> <u>V. a-a</u>
<u>Eschscholtzia californica</u>	California poppy	Cal.	R. A. M. 15:150. 1936	
<u>Euphorbia milii</u> Desmoul.	crown of thorns	N. J.	Weiss II: 332. 1950	
(<u>Geranium</u> _____)	geranium	Ore.	P. D. R. 36(2):51	
<u>Gerbera jamesoni</u> Bolus	Transvaal daisy	Cal.	P. D. R. 34(1):26. 1950	1st world report
<u>Gnaphalium margaritaceum</u>			Rud. 330. 1931	<u>V. dah.</u>
(<u>Helianthus</u> _____)	sunflower	Siberia	R. A. M. 22:111. 1943	<u>V. dah.</u> (loc. cit.)
<u>Helichrysum bracteatum</u>	strawflower	Cal.	P. D. R. 30(6):210. 1946	
<u>Heliotropium arborescens</u> L.	common heliotrope	Md.	Weiss I: 96. 1950	

B -- HERBACEOUS PLANTS - Part 4. (Continued)

Scientific Name	Common Name	Location	Reference	Remarks
<u>Heliotropium peruvianum</u>	common heliotrope	Wash. D. C.	P. D. R. Suppl. 73:385. 1929	
<u>Impatiens balsamina</u> L.	garden balsam	N. Y.	Weiss I: 66. 1950	
<u>Lathyrus odoratus</u> L.	sweet pea	Europe-see ref.	Rud. 333. 1931	
<u>Lathyrus odoratus</u> L.	sweet pea	N. J., N. Y.	Weiss-P. D. R. Index IV: 614 1952.	
<u>Liatris pycnostachya</u> Michx.	gay-feather	N. J.	Weiss I: 198. 1950	
<u>Liatris scariosa</u> Willd.	gay-feather	N. J.	Weiss I: 198. 1950	
<u>Liatris</u> sp.	gay-feather	N. J.	P. D. R. Suppl. 90:113. 1935	
<u>Lupinus polyphyllus</u>		Holland	R. A. M. 4:495. 1925	<u>V. a-a</u> or <u>V. dah.</u>
<u>Lychnis chalcedonica</u> L.	Maltese cross	Prob. Holland see ref.	Rud. 329. 1931	
<u>Malva</u> sp.	mallow	Cal.	R. A. M. 10:757. 1931	
<u>Mathiola incana</u> R. Br.	garden stock		P. D. R. 34(1):26-7. 1950	
<u>Monarda didyma</u> L.	Oswego tea	Prob. Holland see ref.	Rud. 330. 1931	<u>V. dah.</u>
<u>Monarda fistulosa</u> L.	wild bergamot	Mich.	R. A. M. 31:576. 1952	<u>V. a-a</u> var. <u>menthae</u> n. var.
<u>Paeonia lactiflora</u> Pall.	peony	Ill., Kan., Md., N. Y., Ohio	Weiss V: 913. 1953	(includes <u>V. dahliae</u>)
<u>Paeonia officinalis</u> L.	peony	Ill., Kan., Md., N. Y., Ohio	Weiss V: 913. 1953	(includes <u>V. dahliae</u>)
<u>Panax quinquefolium</u> L.	American ginseng	Ind., Ky., Mich., N. J., N. Y. Ohio, Pa., Tenn., Wis.	Weiss I: 62. 1950	
<u>Papaver bracteatum</u>		Germany	R. A. M. 12:117. 1933	

Scientific Name	Common Name	Location	Reference	Remarks
<u>Papaver orientale</u> L.	oriental poppy	N. Y.	Weiss IV: 802. 1952	
<u>Papaver orientale</u>	oriental poppy	England	R. A. M. 32:626. 1953	
<u>Papaver</u> spp.	poppy	N. Y.	Weiss IV: 802. 1952	
<u>Pelargonium domesticum</u> Bailey	Lady Washington type	Cal.	P. D. R. 24(20):424-425. 1940	1st lit. rept.
<u>Pelargonium hortorum</u>		Cal.	P. D. R. 24:424-5. 1940	1st lit. rept.
<u>Pelargonium hortorum</u> (x <u>P. zonale</u> Willd.)	fish geranium	Cal.	Weiss II: 378. 1950	
<u>Petunia hybrida</u>		Cal.	P. D. R. 30(6):210. 1946	1st report.
<u>Phlox carolina</u> L.	thick-leaf phlox	Minn.	Weiss V: 870. 1953	
<u>Phlox decussata</u>		Holland	R. A. M. 4:496. 1925	
<u>Phlox decussata</u>		Hungary	R. A. M. 15:444. 1936	
<u>Phlox drummondii</u> Hook	phlox	N. Y.	Weiss V: 870. 1953	
<u>Phlox paniculata</u> L. (incl. hort. forms and hybrids termed <u>P. decussata</u> Hort.)	summer perennial phlox	N. Y.	Weiss V: 870. 1953	
<u>Phlox</u> spp.	phlox	Minn.	P. D. R. Suppl. 28:370. 1940	
<u>Physalis alkekengi</u> L.	Chinese lantern- plant, winter cherry	N. Y.	Weiss V: 1116. 1953	
<u>Physalis francheti</u>	Lantern groundcherry		P. D. R. Suppl. 119. 284. 1939	1st report
<u>Polemonium</u> spp.	Polemonium	N. Y.	Weiss V: 870. 1953	

B -- HERBACEOUS PLANTS - Part 4. (Continued)

Scientific Name	Common Name	Location	Reference	Remarks
<u>Pyrola asarifolia</u> Michx.	pink pyrola or wintergreen	Mass., N. J., N. Y.	Weiss V: 900. 1953	
<u>Pyrola elliptica</u> Nutt.	shinleaf, wild lily-of-the-valley	Mass.	Weiss V: 900. 1953	
<u>Reseda odorata</u> L.	mignonette	N. Y.	Weiss V: 917. 1953	
<u>Rudbeckia hirta</u> L.	black-eyed susan	N. Y.	Weiss I: 203. 1950	
<u>Salpiglossis sinuata</u> Ruiz & Pav.	painted-tongue	N. Y.	Weiss V: 1117. 1953	
<u>Salvia farinacea</u>		Cal.	P. D. R. 30(6):210. 1946	
<u>Schizanthus pinnatus</u>		Cal.	P. D. R. 30(6):210. 1946	
<u>Senecio cruentus</u> (Mass.) DC. (including hybrids derived mainly from this)	florists' cineraria	N. J., N. Y., Wash.	Weiss I: 205. 1950	
<u>Senecio vulgaris</u>	groundsel	Ore.	R. A. M. 16:192. 1937	
<u>Senecio vulgaris</u>		Holland	R. A. M. 4:495. 1925	V. a-a or V. dah.
<u>Senecio</u> spp.	groundsel, ragwort	Wash.	Weiss I: 207. 1950	
<u>Sida spinosa</u> L. (a weed)	prickly mallow	South Africa	R. A. M. 27:473. 1948	V. dah.
<u>Sisymbrium irio</u> (L.) Britton	blue-eyed-grass, satin flower	N. Mex.	P. D. R. 35(3):169. 1951	1st report
<u>Solanum carolinense</u> L.	Carolina horsenettle	Maryland, N. Y.	Weiss V: 1120. 1953	

B -- HERBACEOUS PLANTS - Part 4. (Concluded)

Scientific Name	Common Name	Location	Reference	Remarks
<u>Solanum elaeagnifolium</u> <u>Cav.</u>	silverleaf nightshade, white horsenettle	N. Y.	Weiss V: 1120. 1953	
<u>Solanum floridanum</u> <u>Shuttlew.</u>	wild Florida eggplant		Rud. 334. 1931	<u>Vert.</u> , ? see ref.
<u>Solanum marginatum</u> L.			Rud. 327. 1931	<u>Vert.</u> , ? see ref.
<u>Solanum nigrum</u>		Holland	R. A. M. 4: 496. 1925	<u>V. a-a</u> or <u>V. dah.</u>
<u>Solanum nigrum</u> L.	nightshade weed	Cal.	P. D. R. 34(1):26-7. 1950	1st U. S. report
<u>Solanum nigrum</u>	black nightshade	New Zealand	R. A. M. 30:20. 1951	
<u>Solanum nigrum</u> L. (incl. var. <u>villosum</u> Mill.)	black nettle	Cal.	Weiss V: 1120. 1953	
<u>Solanum pyracanthum</u> Jacq.			Rud. 327. 1931	<u>Vert.</u> , ? see ref.
<u>Solanum rostratum</u> Dunal	beaked nettle, buffalo bur	N. Y.	Weiss V: 1120. 1953	
<u>Solanum torvum</u> Sw.	berenjena cimarrona	General in U. S.	Weiss V: 1122. 1953	
<u>Taraxacum officinale</u>	dandelion	Cal.	R. A. M. 10: 757. 1931	
<u>Tephrosia</u>		Uganda	R. A. M. 18: 575. 1939	<u>V. dahliae</u>
<u>Trapopogon porrifolius</u> L.	salsify	N. Y.	Weiss I: 214. 1950	
<u>Urtica urens</u>		Holland	R. A. M. 4:495. 1925	<u>V. a-a</u> or <u>V. dah.</u>
<u>Urtica</u>	stinging nettle	Germany	R. A. M. 15:237. 1936	
<u>Venidium</u> sp.		N. J.	P. D. R. Suppl. 96:288. 1936	<u>V. dahliae</u>
<u>Xanthium commune</u> Britton		N. Mex.	P. D. R. 35(3):169. 1951	
<u>Xanthium</u>		Phytopath.	6:393. 1914	

